

MODELS: Fairchild 24 C8D and C8DS, 3 PCL-SM

T.C. NUMBER: ATC 576

I - Specifications Pertinent to Both Models:

Engine	Ranger 5-390-B
Placard limits	Maximum, except takeoff - in. Hg., 2250 rpm (145 hp)
	Takeoff (one minute) - in. Hg., 2250 rpm (145 hp)
Fuel	40 gallons (one 20 gallon tank in each wing)
Oil	3 gallons
No. passengers	2
Spec. basis	Approved Type Certificate No. 576
Serial Nos.	3001 and up manufactured prior to 9/30/39 eligible.
	Approval expired as of that date.

EQUIPMENT:

(Datum is wing leading edge) (\* Denotes net increase)

Class I:

A. Landplane	
101. Starter (direct electric)	19 lbs.
102. Battery (Exide 6TS-7-1) (in engine compartment)	26 lbs.
103. 6.50-10 wheels with brakes (Warner)	
104. Wheel streamlines	16 lbs.
105. 8 in. streamline tail wheel (Goodyear)	
106. Propeller - wood (fixed pitch)	33 lbs.
B. Seaplane: Items 101, 102 and 106 PLUS	
151. Edo 44-2425 floats and bracing; auxiliary fin replacing tail wheel	267 lbs.*
152. Wing flap installation	

Class II:

A. Landplane	
200. Miscellaneous items as noted in approved weight and balance report	
201. (Deleted)	
202. Flares - three 1-1/2 minute	20 lbs.
203. Engine shielding	12 lbs.
B. Seaplane: Items 200 thru 203 PLUS	
251. Radio (instrument panel)	22 lbs.

Class III:

A. Landplane	
301. Same as item 251 for seaplane	
302. Landing lights	9 lbs.
303. Heater and ventilator	4 lbs.
304. Generator and control box (Eclipse)	20 lbs.
305. Generator - wind driven	10 lbs.
B. Seaplane: Items 302 thru 305 PLUS	
351. Battery (Exide 6TS-13-1)	10 lbs.*

NOTE 1. Model C8D also approved with wing flap installation (72 lbs.\*) with the following:

Placard speed	Flaps extended 94 mph Ind.
Baggage	90 lbs.
C.G. limits	(+17.0) and (+22.5)

NOTE 2. (a) Seaplane type must have auxiliary fin installed. The fitting at the forward attachment of the auxiliary fin must have two gussets (one on each side). Inspector should note on inspection report that installation has been made.

(b) Landplane and seaplane type fuselages differ structurally. Seaplane type has several stronger members in fuselage in addition to rear front brace strut fittings. Manufacturer's affidavit of conformity required for conversion from landplane to seaplane type.

II - Model C8D, Designation 3 PCLM (See NOTE 1)

Baggage	163 lbs.
Standard weight	2400 lbs.
C.G. limits	(+15.0) and (+22.6)

III - Model C8DS, Designation 3 PCSM

Placard speed	Flaps extended 94 mph Ind.
Baggage	46 lbs.
Standard weight	2550 lbs.
C.G. limits	(+19.5) and (+24.5)